CLAIM AMENDMENTS

1 - 10. (canceled)

11. (currently amended) A method for selecting a node 1 from a plurality of content nodes in a data structure, each node 2 being linked to one or more respective ancestral nodes based on a hierarchical relationship which defines the data structure, each node comprising one or more keywords, one or more of the content nodes being linked to common ancestral nodes, more than one content 6 node including at least one of the search words, the method comprising: 8 searching a plurality of content nodes in a data structure for one or more search keywords included in a voice 10 command: 11 if a particular content node is the only content node in 12 the data structure that includes all the search keywords, selecting 13 that content node; otherwise 14 if a particular content node is the only content node in 15 the data structure that in combination with its one or more 16 respective ancestral nodes includes all the search keywords, 17 selecting that content node; otherwise 18 if a particular content node is the only content node in 19 the data structure that includes at least one of the search 20 keywords, selecting that content node; 21

- defining a selection set comprising all nodes in that

 data structure that have at least one of the search words; and

 removing from the selection set any ancestral nodes that

 include at least one of the search keywords.
- 1 12. (original) The method of claim 11, wherein the voice command further comprises one or more filler words, the method further comprising:
- filtering the filler words out of the voice command.

13. (canceled)

- 1 14. (currently amended) The method of claim [[13]] 11,
 2 further comprising:
- prompting a user to select from among the content nodes in the selection set.
- 1 15. (currently amended) The method of claim [[13]] 11,
 2 the method further comprising:
- identifying a differentiating node in the data structure
- for each content node in the selection set, wherein the
- differentiating node for each node is not an ancestral node for
- other nodes included in the selection set.

- 16. (original) The method of claim 15, further
- prompting a user to select a differentiating node from a
- 4 plurality of differentiating nodes for the content nodes included
- 5 in the selection set.

comprising:

- 17. (original) The method of claim 16, further
- comprising:
- selecting the content node associated with the selected
- 4 differentiating node.
- 18. (original) The method of claim 11, wherein each
- node in the data structure is associated with a node indicator that
- identifies the search keywords included in the node.
- 19. (original) The method of claim 18, wherein each
- node in the data structure is associated with an ancestral node
- indicator that identifies the search keywords included in the one
- or more respective ancestral nodes for the node.
- 1 20. (original) The method of claim 19, wherein the node
- indicator and the ancestral node indicator are each represented by
- a respective combination of digits, each digit corresponding with a
- 4 particular search keyword, number of the digits in each respective
- 5 combination being equal to number of the search keywords, each
- 6 digit indicating whether or not the node or the one or more

16

17

18

19

20

21

22

23

25

26

27

28

29

30

31

- respective ancestral nodes for the node include a corresponding
- search keyword.
- g 21. (currently amended) A method of accessing content stored in a data structure, the method comprising:

searching a plurality of content nodes arranged in a
hierarchical order in a data structure for one or more keywords, in
response to receiving a voice command including said one or more
keywords in a first order;

with a second node indicator value for a second node, wherein the first node indicator being equal to the second node indicator, the first node and the second node include including the highest number of said one or more keywords, and wherein the respective node indicator value for each node represents representing the number of said one or more keywords included in each node in the first order;

providing content included in the first node, if the first node indicator value is greater than the second node indicator value; [[and]]

providing content included the second node, if the first node indicator value is less than the second node indicator value; and

determining a first ancestral indicator value for the first node representing a number of said one or more keywords included in a first set of ancestral nodes related to the first node in the first order; and

- determining a second ancestral indicator value for the
 second node representing a number of said one or more keywords
 included in a second set of ancestral nodes related to the second
 node in the first order.
- 22. (original) The method of claim 21, further comprising:
- providing content included in the first node, if the first node is the only node comprising all of said one or more keywords;
- prompting a user to select between the first node and a second node in the plurality of content nodes, if the second node also comprises all said one or more keywords; and
- providing content included in the first node or the second node in response to the user selecting between the first node and the second node.

23. (canceled)

- 24. (currently amended) The method of claim [[23]] 21, further comprising:
- comparing the first ancestral indicator value with the second ancestral node indicator value;
- providing content included in the first node, if the first ancestral indicator value is greater than the second
 - •

. 7

ancestral node indicator value; and

- providing content included in the second node, if the
 first ancestral indicator value is less than the second ancestral
 node indicator value.
- 25. (currently amended) The method of claim [[23]] 21, further comprising:
- calculating a first cumulative indicator value from the
 first node indicator and the first ancestral indicator value, the
 first cumulative indicator value representing number of said one or
 more keywords included in the first node and the first set of
 ancestral nodes, in the first order; and
- calculating a second cumulative indicator from the second node indicator and the second ancestral indicator, the second cumulative indicator representing number of said one or more keywords included in the second node and the second set of ancestral nodes, in the first order.
- 26. (original) The method of claim 25, further comprising:
- providing content included in the first node, if the first cumulative indicator value is greater than the second cumulative indicator value; and
- providing content included the second node, if the first cumulative indicator value is less than the second cumulative indicator value.

- 27. (original) The method of claim 25, further
- comprising:
- prompting a user to select between the first node and the
- second node, if the second cumulative indicator value is equal to
- the first cumulative indicator value; and
- providing content included in a node selected by the
- user, in response to the user selecting between the first node and
- s the second node.
- 28. (original) The method of claim 25, wherein the
- first node indicator value is represented by a combination of
- digits, each digit corresponding to a respective one of said one or
- 4 more keywords and whether or not the respective keyword is included
- 5 in the first node.
- 1 29. (original) The method of claim 28, wherein the
- first ancestral indicator value is represented by a combination of
- digits, each digit corresponding to a respective one of said one or
- more keywords and whether or not the respective keyword is included
- in the first set of ancestral nodes.
- 30. (original) The method of claim 29, wherein the
- first node indicator value and the first ancestral indicator value
- are represented by binary numbers, and wherein each digit in the
- first cumulative indicator value is calculated by applying a
- logical AND operation to each of the respective individual digits

10

11

12

13

14

15

16

17

19

20

21

22

23

- in the first node indicator value and the first ancestral indicator value.
- 31. (currently amended) A voice operated system for accessing content accessible from one or more sources, the system comprising:
- a data structure implemented to provide access to content included in a plurality of content nodes, each content node associated with one or more ancestral nodes linked in an arrangement that defines a hierarchy for the content;
 - a voice interface for searching the data structure for one or more keywords included in a search-keyword-set and for further providing content included in a content node associated with at least one of said one or more keywords; and
 - a plurality of node indicators, each node indicator provided for a respective content node and representing a content-keyword-set that is a subset of the search keyword-set, each content-keyword-set including one or more keywords related to content associated with the respective content node; wherein content associated with a particular content node is provided, if the respective content-keyword-set for other content nodes are subsets of the respective content-keyword-set for the particular content node; and
 - a plurality of ancestral indicators, each ancestral indicator provided for a respective content node and representing a respective ancestral-keyword-set that is a subset of the

- search-keyword-set, each ancestral-keyword-set including one or 24 more keywords associated with the respective ancestral nodes for 25 the respective ancestral indicator for each content node, the 26 ancestral indicator representing an ancestral keyword-set that is a 27 subset of the search-keyword-set and includes one or more keywords 28 associated with ancestral nodes of content node, the content associated with a particular content node being provided if the 30 ancestral-keyword-sets for other content nodes are subsets of the 31 32 ancestral keyword-set for the particular content node.
- 32. (original) The system of claim 31, wherein the
 content associated with a content node is provided, if the
 respective node indicator for the content node is equivalent to the
 search-keyword-set.

33. (canceled)

- 34. (currently amended) The system of claim [[33]] 31,
 wherein a respective ancestral-keyword-set for each content node
 further includes keywords included in the content-keyword-set for
 the respective content node.
- 35. (original) The system of claim 31, wherein the content-keyword-sets for all content nodes in the data structure are not subsets of the content-keyword-set for the first content node, the system further comprising:

- an ancestral indicator for each content node, the 5 ancestral indicator representing an ancestral-keyword-set that is a 6 subset of the search-keyword-set and includes one or more keywords associated with ancestral nodes of each content node; a cumulative indicator for each node, the cumulative indicator representing a cumulative-keyword-set derived from a 10 union between the content-keyword-set and the 11 ancestral-keyword-set; 12 wherein the content associated with a first content node is 13 provided, if the cumulative-keyword-sets for all other content 14 nodes in the data structure are subsets of the 15 cumulative-keyword-set for the first content node. 16
- 36. (original) The system of claim 35, wherein the
 system prompts a user to select from among the first node and one
 or more other nodes in the data structure, if the
 cumulative-keyword-set for the first node is equivalent to the
 cumulative-keyword set for the one or other more nodes.
- 37. (original) The system of claim 31, wherein the node indicator is a binary number comprising one or more digits, each digit corresponding to a keyword included in the content-keyword-set.

2

5

- 38. (currently amended) The system of claim [[33]] 31,
 wherein the ancestral indicator is a binary number comprising one
 or more digits, each digit corresponding to a keyword included in
 the ancestral-keyword-set.
- 39. (original) The system of claim 35, wherein the cumulative indicator is a binary number comprising one or more digits, each digit corresponding to a keyword included in the cumulative-keyword-set.
- 40. (original) The system of claim 37, wherein length of the binary number is equal to the number of keywords included in the search-keyword-set, each digit in the binary number indicating the presence or lack of presence of a corresponding keyword in the content-keyword-set.
 - 41. (original) The system of claim 38, wherein length of the binary number is equal to the number of keywords included in the search-keyword-set, each digit in the binary number indicating the presence or lack of presence of a corresponding keyword in the ancestral-keyword-set.

1 42. (original) The system of claim 39, wherein length
2 of the binary number is equal to the number of keywords included in
3 the search-keyword-set, each digit in the binary number indicating
4 the presence or lack of presence of a corresponding keyword in the
5 cumulative-keyword-set.

43 - 57 (canceled)